

Claims

1. System for dynamic tariffing and billing, the system comprising a Service Handler part (1) for controlling the dynamic tariffing and billing, a Data part (2) for storing  
5 information and a Rating part (3) for making calculations, the Service Handler part (1) being linked to the Data part (2) via a first interface (1) and to the Rating part (3) via a second interface (13), wherein  
the Data part (2) comprises a database (21) for storing  
10 an account value indicating a tariff;  
at least two types of telecommunication services, a first type of telecommunication services indicating one or more telecommunication services that decrease the account value, and a second type of  
15 telecommunication services indicating one or more telecommunication services that increase the account value;  
a rule-set for mapping a telecommunication service on a value by which the account value is to be decreased  
20 or increased; and  
a list of subscribers that belong to the same group,  
the Service Handler part (1) is arranged to  
detect a usage of the telecommunication service;  
retrieve data from the Data part (2);  
25 send the data to the Rating part (3) for calculating a new account value;  
receive the new account value from the Rating part (3); and  
send the new account value to the Data part (1) to  
30 overwrite the account value.
2. System according to claim 1, wherein the system further comprises a Provisioning part (4) that is linked to

the Service Handler part (1) via a third interface (14), the Provisioning part (4) comprising a first external interface (41) for sending and/or receiving provisioning data to a legacy system.

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3. System according to any of the claims 1-2, wherein the system further comprises a User Access part (5) that is linked to the Service Handler part (1) via a fourth interface (15), the User Access part (5) comprising a  
10 second external interface (51) for providing access to the system to a subscriber.

4. System according to any of the claims 1-3, wherein the system further comprises a User Info part (6) that is  
15 linked to the Service Handler part (1) via a fifth interface (16), the User Info part (6) comprising a third external interface (61) for sending subscription information to a subscriber.

20 5. System according to any of the claims 1-4, wherein the system further comprises a Service Provider Access part (7) that is linked to the Service Handler part (1) via a sixth interface (17), the Service Provider Access part (9) comprising a fourth external interface (71) for providing  
25 access to the system to a service provider.

6. System according to any of the claims 1-5, wherein the system further comprises a Billing Interface part (8) that is linked to the Service Handler part (1) via a seventh  
30 interface (18), the Billing Interface part (8) comprising a fifth external interface (81) for sending billing information to a service provider.

7. System according to any of the claims 1-6, wherein the system further comprises a Service Access Control part (9) that is linked to the Service Handler part (1) via a eighth interface (19), the Service Access Control part (9) comprising a sixth external interface (91) for detecting usage of the telecommunication service, and the Service Access Control part (9) is arranged to send detecting information to the Service Handler part (1).
8. Method for dynamic tariffing and billing in a system comprising a Service Handler part (1) for controlling the dynamic tariffing and billing, a Data part (2) for storing information and a Rating part (3) for making calculations, the Service Handler part (1) being linked to the Data part (2) via a first interface (1) and to the Rating part (3) via a second interface (13), the method comprising the steps of:
- storing in a database (21) of the Data part (2)
    - an account value indicating a tariff,
    - at least two types of telecommunication services, a first type of telecommunication services indicating one or more telecommunication services that decrease the account value, and a second type of telecommunication services indicating one or more telecommunication services that increase the account value,
    - a rule-set for mapping a telecommunication service on a value by which the account value is to be decreased or increased, and
    - a list of subscribers that belong to the same group;
  - detecting in the Service Handler part (1) a usage of the telecommunication service;

retrieving in the Service Handler part (1) data from the Data part (2) and sending the data to the Rating part (3); calculating in the Rating part (3) a new account value; receiving in the Service Handler part (1) the new account  
5 value from the Rating part (3); sending the new account value from the Service Handler part (1) to the Data part (1); and overwriting the account value with the new account value in the database (21).

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9. Method according to claim 8, wherein the system further comprises a Provisioning part (4) that is linked to the Service Handler part (1) via a third interface (14), the Provisioning part (4) comprising a  
15 first external interface (41), and

the method further comprising the step of sending and/or receiving provisioning data to a legacy system via the first external interface (41).

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10. Method according to any of the claims 8-9, wherein the system further comprises a User Access part (5) that is linked to the Service Handler part (1) via a fourth interface (15), the User Access part (5) comprising a second external interface (51), and

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the method further comprising the step of providing access to the system to a subscriber via the second external interface (51).

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11. Method according to any of the claims 8-10, wherein the system further comprises a User Info part (6) that is linked to the Service Handler part (1) via a fifth interface (16), the User Info part (6) comprising a third external interface (61), and

the method further comprising the step of sending subscription information to a subscriber via the third external interface (61).

- 5 12. Method according to any of the claims 8-11, wherein  
the system further comprises a Service Provider Access  
part (7) that is linked to the Service Handler part (1) via  
a sixth interface (17), the Service Provider Access part  
(9) comprising a fourth external interface (71), and  
10 the method further comprising the step of providing  
access to the system to a service provider via the fourth  
external interface (71).
13. Method according to any of the claims 8-12, wherein  
15 the system further comprises a Billing Interface part  
(8) that is linked to the Service Handler part (1) via a  
seventh interface (18), the Billing Interface part (8)  
comprising a fifth external interface (81), and  
the method further comprising the step of sending  
20 billing information to a service provider via the fifth  
external interface (81).
14. Method according to any of the claims 8-13, wherein  
the system further comprises a Service Access Control  
25 part (9) that is linked to the Service Handler part (1) via  
a eighth interface (19), the Service Access Control part  
(9) comprising a sixth external interface (91), and  
the method further comprising the steps of detecting  
usage of the telecommunication service via the sixth  
30 external interface (91), and sending detecting information  
from the Service Access Control part (9) to the Service  
Handler part (1).